ER DEPARTMENT DATA ASSESSMENT SUMMARY REPORT FORM

	ch No. <u>9006L596</u>	Y : 191.		0.007
	oratory Roy F. Weston -	Lionville	•	
	W # 10/86 (Rev. 2/88)		Reviewer Org. <u>TechL</u>	aw. Inc.
Sam	ple Numbers <u>SW095W(</u>	<u>053090AAA, SWO</u>	95W053090TAA	
		Data A	ssessment Summary	
		VOA	Comments	
1.	Holding Times	V		
	·			
2.	GC/MS Tune/Instr. Perf.	<u> </u>		
3.	Calibrations	A	Action Items 1.2; Comments 1.2	
4.	Blanks	A	Action Item 3	
5.	Surmagatas	V		
3.	Surrogates			
6.	Matrix Spike/Dup.	V		
7.	Other QC	<u> </u>	Comments 3.4	
8.	Internal Standards	<u>v</u>		
9.	Compound Identification	<u> </u>		
10.	System Performance	V		
11.	Overall Assessment	A	Data acceptable with qualifications.	
	V = Data had no problems.			
	A = Data acceptable but qualified du	e to problems.		
	R = Data rejected.X = Problems, but do not affect data.			
Data	Quality: Data contained in	this batch were review	ed and found to be acceptable with qualific	ations. Acceptable.
			impacted by the "Action Items" listed below	
(Ref	er to attached Data Summary Ta	ibles.)		
			RETURNED FOR GLASSIFICATION/U	Cili
			By Dellansq	unin)

1

A-DU04-000074

6L596/voa

Action Items: 1) In the initial calibration on 5/30/90, Trichloroethene's and Acetone's %KSD exceeded 30%.
Therefore the positive result for Trichloroethene in sample SW095W053090AAA is estimated (J). The positive
result for Acetone in this sample would be estimated (J) if not for blank contamination. See Action Item 3.
2) Due to a large interfering peak, it appears that manual quantitation of Chloromethane, Vinyl Chloride,
Bromomethane, and Chloroethane in all calibration standards was performed. However, on the quantitation report
submitted for the 150 ppb standard in the initial calibration the raw data RRF values did not agree with the RRFs on
Form 6A. Apparently, the RRFs on Form 6A were manually quantitated, and the raw data was for the
unmanipulated values. Consequently, the calibrations of these compounds are questionable and, therefore, all
non-detected results for them are estimated and undetected (UJ) in all samples.
3) As a result of method blank contamination, the positive Acetone result in sample SW095W053090AAA
and the positive Methylene Chloride results in both samples are estimated and undetected (UI) according to the
Functional Guidelines 10x rule.
Comments: 1) In the initial and continuing calibrations, several compounds %RSDs or %Ds exceeded criteria.
No action is necessary because there were no positive results for these compounds,
2) It appears that Acetone was manually quantitated in the 150 ppb standard of the initial calibration because
the RRF calculated from the raw data does not match the RRF for Acetone on Form 6A. Furthermore, Acetone was
manually quantitated in the 200 ppb standard and in the continuing calibration. Although the reported RRF was not
reproducible, no action is taken because the RRF on Form 6A is assumed to be correct.
3) Various parts of the batch were illegible due to poor copying quality.
4) The Chain-of-Custody (COC) reported that VOA samples were leaking upon arrival; however, because of
poor copying quality on the COC, it is undeterminable which sample was affected.
Note: Data Summary Tables are attached.
Willia T Fee 7/17/90 Reviewer Signature Date
Reviewer Signature Date

9006L596 Solar Ponds TABLE #: SITE NAME:

CLP VOLATILE ORGANIC ANALYSIS:

Low Water

ANALYTICAL RESULTS (ppb) Page 1 of 1

State Stat										
8><		1			901AA					
8><		-			06/06/50					
8 > <		٦			06/04/90					
8><										
8><	Į OI	CROL (mp)	2	2	2					
8 > <		2		3	10 LLI A					
8 > <	Bromomethane	9		3	10 W A					
8 > <	Vinyl chloride	9		3	10 W A					
8 > <	Chloroethane	9		10 W A	4 M 01					
8 > <	Methylene chloride	2		5 W A	5 W A					
8 > <	Acetone	9		10 W A	10 U A					
8 > <	Carbon disulfide	5		5 U V	5 U V					
8 > <	1,1-Dichloroethene	S		2 U V	1					
8 > <	1,1-Dichloroethane	2		5	1					
8 > <	1,2-Dichloroethene (Total)	2		5	1					
8 > <	Chloroform	9		٦						
8 > <	1,2-Dichloroethane	2		ב	<u> </u>					
8 > <	2-Butanone	10		b						
8 > <	,1,1-Trichloroethane	2		n		-				
8 > <	arbon tetrachloride	2								
8 > <	inyl acetate	유								
8 > <	romodichloromethane	5			_ !					
8 > <	2-Dichloropropane	2			_					
8 > <	is-1,3-Dichloropropene	2		٥						
8 > <	richloroethene	ည		٦						
8 > <	ibromochloromethane	2		5	1					
8 > <	,1,2-Trichioroethane	2		ᅴ						
8 > <	enzene	C)		٥						
8 > <	ans-1,3-Dichloropropene	2		5	- 1					
8 > <	romotorm	4		- :	- 1					
8 > <	-Metnyl-2-pertanone	2		5	5 :					
8 > <	Hexanone			5	5					
8 > <	A D O Total lend	7 4		╸	5 :					
8 > <	I Z.Z. I eucachicoeuraire	0 1		ء <u>-</u>	-					
8 > <	hlombonzoo	2 4		- -						
8 > <	thytheorem	2 4		, =	, =					
8 > <	tymene	2 42		, =	, =					
8 > <	ylenes (Total)	5		دا،	, _					
_ 8 > <	otal Organic	\mid								
8><	concentration (ppb)		10	80	ı					
		detecte	d above the Requ	ired Quantitation Li	nit.			ualitier		
************************************			noris roenimied cun	ing the quality conti	ol review.					
	Exceeds calibration range, dutte	& reark	ayze.					able with qualification	92	

U Indicates the compound was not detected above the Required Quantitation Limit.

6L596/temp6 Acceptable with qualifications Rejected

J Quantitation is approximate due to limitations identified during the quality control review. Exceeds calibration range, dilute & reanalyze.

CROL. Contract Required Quantitation Limit in Micrograms per Liter (ug/L), Parts per billion (ppb).

Secretarion (1967) Secretarion (1967) MANA 1982 ANALYSES ANALYSE ANALYSES ANALYS	WESTO	WESTON Analytics Use Only	Cust	L bo	rans	sfer Re	cord	//Lab	Custody Transfer Record/Lab Work Request	quest		WASSIEN
Column C		Ja 576	·	F 5	igerators De Conte		1					WESTON Analytics
Column C	Work Order	2029-	1-0000	를 	J.W.] 				Samples Were:
Month Mont	Date Rec'd.	04/19	10/90	<u>م</u>	ervative	Noti	级		 			Delivered
Succidence Washington Succidence Succidence Washington Succidence Suc	RFW Contac Client Conta	9		REG(LYSES	Non		Si.Si	-			NOTES: 2 Ambient op.Chilled
SANOTE NOTE: SANO	WA Use Only Lab ID			Meetri	\vdash	8	THE STREET	•	2			NOTE
Section No. 1975: Section No. 1976: Section No.	M	52095 NO		3;	5/30		×					3 Heceived Broken/ Leaking (Improperty
NOTES: NOTES:	203	540954005		3 3	573	1	í	-				Z Q
A - North Figure 1 - Entrope Present of the part of						4	1	_	V V	81.65		NOTES: SEE SIDE
W. Water DS - Drum Soulds X - Other Special Instructions: The Figh William Special Instructions: The Behnquished by Park Inne Heart Office of Sample X - Other Special Instructions: The Behnquished by Received by Date Inne Office of Sample X - Other X - Other Sample X - Other X - O												4 Properly Preserved
W. Wear DS - Drum Soulds X - Other Special Instructions: M. Wear DS - Drum Soulds X - Other Special Instructions: M. Wear DS - Drum Soulds X - Other Special Instructions: M. Wear DS - Drum Soulds X - Other Special Instructions: M. Wear DS - Drum Soulds X - Other Special Instructions: M. Wear DS - Drum Soulds X - Other Special Instructions: M. Wear DS - Drum Soulds X - Other Special Instructions: M. Wear DS - Drum Soulds X - Other Special Instructions: M. Wear DS - Drum Soulds Y - Other National Info Info Info Info Info Info Info Info		0		_	1	-						NOTES:
W-Wester DS-Drum Solides X Control Special Instructions: A. Air F. Fish Windlighted by Received by Date Time COC Record Was: 1 Present on Sample NOTES: Y Coc Record Was: 1 Present on Sample NOTES: Y Coc Record Was: 1 Present Up. 2016 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9				-	4		1	-				5 Received Within
W. Waser DS - Drum Solides X - Other Special Instructions: W. Waser DS - Other Sp				-	-			+			T	Holding Times
Weater DB: Drum Soulds X: Other Special Instructions: W. Water DB: Drum Soulds X: Other Special Instructions: A. Air F. Flah W. Wips L: EP/TCLP Leachate A. Air F. Flah W. Wips L: EP/TCLP Leachate A. Air F. Flah W. Wips L: EP/TCLP Leachate A. Air F. Flah W. Wips L: EP/TCLP Leachate A. Air F. Flah W. Wips L: EP/TCLP Leachate A. Air F. Flah W. Wips L: EP/TCLP Leachate A. Air F. Flah W. Wips L: EP/TCLP Leachate A. Air F. Flah W. Wips L: EP/TCLP Leachate A. Air F. Flah W. Wips L: EP/TCLP Leachate A. Air F. Flah W. Wips L: EP/TCLP Leachate A. Unbroken on Sample A. Unbroken on Sampl				-	<u> </u>			+			T	
W-Wester DS - Drum Soulds X - Other Special Instructions: W-Wester DS - Drum Soulds X - Other Special Instructions: A - Air F - Fielth W1-Wips L - EP/TCLP Leachests A - Big Douglabed by Received by Date Time Item/Reeson Relinquished by Received by Of Sample of Sample of Sample of Sample of Sample Labels and 8999.								_				
W. Water DS - Drum solids X - Other Special Instructions: O-Oil DL - Drum Lquids A - Air F - Fish W1 - Wips L - EPT/CLP Leacheste And Air F - Fish W1 - Wips L - EPT/CLP Leacheste And Belinauished by Received by Date Time Item/Resson Relinauished by Received by Date Time Item/Resson Of Sample (*) O-Oil DL - Drum Lquids A - Air F - Fish W1 - Wips L - EPT/CLP Leacheste And Belinauished by Received by Date Time Item/Resson Relinauished by Received by Office of Sample (*) O-Oil DL - Drum Lquids A - Air F - Fish W1 -					_						3 - 	OC Tape Was:
W. Water DS. Drum Solids A. Air F. Flath Will William Louids A. Air F. Flath William Louids A. Unbroken on Sample NOTES: Y. A. Unbroken on Sample A. Unbroken on	e e			_								Package 🥙
W - Weier DB - Drum Solids X - Other Special Instructions: O - Ou DL - Brum Liquids A - Air F - Flah W - Wrips L - EP/TCLP Leachate W - Weier DB - Drum Solids Special Instructions: A - Air F - Flah W - Wips L - EP/TCLP Leachate W - Weier DB - Date Time Item/Reason Reinauished by Received by Date Time Item/Reason V - Other Date Time Item/Reason Of Sample V - Other Date Time Item/Reason Of Sample V - Other Date Item Sample Condition								1				Unbroken on Outer Package (Y)
The Coc Record Was: Coc Was	ŧ	1.	X - Other	Specie	I Instruct	ons:	1	-			7	Unbroken on Sample V Unbroken on Sample IOTES:
COC Record Was: 1 Present Uppa Received by Coc Record Was: 1 Present Uppa Received by Coc Record Was: 2 COC Record Was: 2 COC Record Was: 3 COC Record Was: 4 Present Uppa Received by Coc Record Was: 5 COC Record Was: 5 COC Record Was: 6 COC Record Was: 6 COC Record Was: 7 Present Uppa Received by Coc Record Was: 8 COC Record Was: 8 COC Record Was: 9 COC			} 8	ŀ								
Implef Y Indies Between Labels and 9999	TO CO	+-	California L	18	\$ 12 2	MVResson	Relina	shed by	Received by	\vdash	$\stackrel{\circ}{\vdash}$	4 .
Labeis and 06			-	+	+							
<i>-</i>							-				5 8 6	Labels and 06
										 	ŽŽ	>
				-			,			<u> </u>	T	

(09/21/90)

EG&G ER Department Rocky Flats Plant

ER DEPARTMENT DATA ASSESSMENT SUMMARY REPORT FORM

Bate	ch No. 9006L596		Site <u>A</u>	rea 6 - Solar I	Ponds	
Lab	oratory Roy F. Weston - Lionville		No. of	Samples/Ma	trix <u>2/Water</u>	
SO	N # <u>7/87</u>		Review	ver Org. <u>Tec</u>	hLaw, Inc.	
San	ple Numbers <u>SW095W053090AA</u>	A (total and se	oluble)			
		Data Assess	ment Summa	ıry		
		ICP	AA	Hg	CN	Comments
1.	Holding Times	_ <u>v</u>	_ v	<u>v</u>	v	
2.	Calibrations	<u>v</u>	v	<u>v</u>	<u></u>	· · ·
3.	Blanks	A	_A	v	<u>v</u>	Action Items 1-3
4.	ICP Interference Check Sample	<u>v</u>	N/A	N/A	N/A	· · · · · · · · · · · · · · · · · · ·
5.	Lab Control Sample Results	A	_v	v		Action Item 8
6.	Duplicate Sample Results	A	<u>A</u>	v		Action Item 6
7.	Matrix Spike Sample Results	_A	_A	<u>v</u>	v	Action Items 4-5
8.	Method of Standard Addition	N/A		N/A	N/A	
9.	Serial Dilution	<u>A</u>	N/A	N/A	N/A	Action Item 7
10.	Sample Verification	<u>v</u>	<u> </u>		<u>v</u>	Comment 1
11.	Other QC	<u>v</u>				
12.	Overall Assessment	_A	A		V	Data valid, or acceptable with qualifications
	 V = Data had no problems. A = Data acceptable but qualified due to problems. R = Data rejected. X = Problems, but do not affect data. 				N/A = Not appli	cable.
Dat	a Quality: Data contained in this batch v	vere reviewed an	d found to be va	lid, or acceptable	e with qualificat	ions. Acceptable,
qual	ified data may be used provided that individ	ual values impac	ted by the "Action	on Items" listed l	oelow are appro	priately flagged.
Ref	er to attached Results Summary Tables).				_	

Action Items: 1) All Chromium, Copper, Manganese, Va	nadium, and Nickel values are estimated and
undetected (UI) because analyte values >IDL were found in the	ne blanks.
2) The Cobalt, Zinc, and Selenium values for SW095W0	53090AA (soluble) are estimated and undetected (UI)
because analyte values >IDL were found in the blanks.	
3) All Lithium values are estimated (J) because the pre-d	igestion matrix spike recovery criteria were not met.
4) All Arsenic non-detects are estimated and undetected	(UI) because the post-digestion matrix spike recovery
criteria were not met.	
5) All Thallium and Silver non-detects are estimated and	undetected (UI) because the pre-digestion matrix
spike recovery criteria were not met.	
6) The Zinc and Selenium values for SW095W053090A	AA (total) are estimated (J) because the duplicate
precision criteria were not met.	
7) All Magnesium values are estimated (J) because the IC	CP serial dilution recovery criteria were not met.
8) All Strontium values are estimated (J) because the lab	oratory control sample recovery criteria were not met.
Comments: 1) The Cesium IDL was greater than the CRD	L.
Note: Data Summary Tables are attached.	
Reliant 1. Thio.	9/26/90
Reviewer Signature	Date

006L596A/eg25j

ANALYSIS DATES

for 9006L596 BATCH NO.

Γ	္ဆေ				<u> </u>	Γ	Γ							<u> </u>		Γ	Γ
ర	Analysi	Date	07/22/90	02/22/90													
	Analysis		06/90/90												-		
HGCVAA	Analysis	Date	06/19/90	06/18/90													
₩F	Analysis	Date	07/23/90	02/23/90													
Se AA	Analysis	Date	07/16/90	06/91/20													
Pb AA	Analysis		02/16/90	06/91//20						-							
As AA	Analysis		07/16/90	05/16/90													
* See below	Analysis																
9 2 3	Analysis	Date	07/18/90	02/18/90													
	SAMPLE ID		SW095W053090AAA (total)	SW095W053090AAA (soluble) 07/18/90													

^{*} The following ICP elements were run on an atternate date:

CLP WATER INORGANIC ANALYSIS

TABLE #: 9006L596
SITE NAME: Area 6 - Solar Ponds
ANALYTICAL RESULTS (ug/L)

Page 1 of 1

Statistic Number Statistic N	Sample Location	8								
HAS TO THE TO THE THE THE TO THE	Sample Numb	Þ	Ī	SW095W053090AAA	SWDR5WD53090AAA					
Num AI 200 Num AI 200 Num AI 200 Num AI 200 Num Cd 50 10 Num Num Num Sec 5 11 Num Num Num Sec 5 11 Num Num Sec 5 11 Num Num Sec 6 11 Num Sec 6 11 Num Sec 7 10 Num Sec 7 10 Num Sec 7 10 Num Sec 7 10 Num Sec 7 11 Num Num Sec 7 11 Num Num Sec 8 11 Num Num Sec 9 11 Num Num Num Sec 9 11 Num	Sample Date		Ī	05/30/90	05/30/90					
The second of th	Remarks			total	soluble					
wayL DQ vum AI 200 228 V 686 xyy Sb 60 34.8 V 22.0 U c As 10 2.0 UU A 2.0 UU c As 10 2.0 UU V 1.0 U m Bs 20 133 V 1.0 U m Cs 100 2.0 UU V 1.0 U m Cs 1000 241000 V 2.0 UU m Cs 1000 2500 U V 2.0 UU m Cs 1000 2.2 UU V 2.0 UU m Cs 1000 V 4.0 UU V 2.0 UU m Cs 100 2.2 UU V 4.0 UU V m Cs 100 U V 2.0 UU V 3.0 UU m Ss 500 6.0 UU V 2.2 UU m	Inorganic		Γ							
vm AI 200 228 V 89.6 rmy Sb 60 34.6 V 22.0 U c As 10 2.0 UU A 2.0 U m Ba 200 133 V 136 m Ba 200 133 V 136 m Ba 200 133 V 136 m Ba 200 133 V 130 m Ca 500 241000 V 130 m Ca 500 241000 V 220 m Ca 500 2400 V 2200 m Ca 100 V 2200 V 300 m Ca 400 V 440 A 220 m Ca 100 V 220 V 300 m Ca 100 V 300 V 300 <td>Analyte</td> <td></td> <td>뒿</td> <td>g</td> <td>8</td> <td></td> <td>-</td> <td></td> <td></td> <td></td>	Analyte		뒿	g	8		-			
Name	Aluminum	- 1								
Ba 200 133 V 136	Antimony	-								
Image Ba 200 133 V 136 Image 5 1.0 U V 1.0 U Image Ca 5 3.0 U V 3.0 U Image Ca 5 3.0 U V 2.2 UU Image Ca 500 2.1 UU V 2.2 UU Image Ca 500 2.0 UU V 4.0 UU V 2.2 UU Image Ca 50 4.0 UU V 4.0 UU V 4.0 UU V Image Ca 50 4.0 UU V 4.0 UU V 4.0 UU V Image 500 270 UU A 28.0 UU A 28.0 UU A Image 500 53100 UU A 1.00 UU A 2.2 UU A Image 500 53100 UU A 2.2 UU A 2.2 UU A Image 500 53100 UU A 2.2 UU <th< td=""><td>Arsenic</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	Arsenic									
Inm Be 5 1.0 U V 1.0 U Inm Cd 5 3.0 U V 3.0 U In Ca 5000 241000 V 248000 In Ca 5000 241000 V 248000 In Ca 500 4.0 U V 22 Uu Co 50 4.0 U V 4.3 Uu Cu 25 10.2 Uu V 4.4 Uu Fe 100 210 V 4.4 Uu Pb 5 3.6 Uu V 4.4 Uu Pb 5 3.6 Uu V 4.4 Uu Ium Mg 5000 83100 J V 44.0 Uu Ium Mg 5000 83100 J V 100 U V Ium K 6000 9.2 Uu V 100 U V Ium K 6000 9.2 Uu V 100 U V Ium	Barium									
Image: Color of the c	Beryllium	Ве		>						
Cs 1000 245000 V 245000 Um Cs 1000 2550 U V 2550 U Cs 1000 2550 U V 2550 U Co 10 2.2 UJ A 2.2 UJ Co 20 4.0 U V 4.3 UJ Co 20 210 V 4.4 0 U Co 20 210 V 4.4 0 U Co 210 V 2.2 UJ Co 210 V 2.2 UJ Co 2.2 U V 2.2 UJ Co 2.2 UJ V 2.2 UJ Co 2.2 UJ Co 2.2 U V 2.2 UJ Co	Cadmium	P).		>						
Um Cs 1000 2500 U V 2500 U Um Cr 10 22 UJ A 22 UJ Co 50 4.0 U V 4.3 UJ Cu 25 10.2 UJ V 4.3 UJ Fe 100 210 V 44.0 U Pb 5 3.6 U V 3.0 U Pb 5 3.6 U V 3.0 U Im Pb 5 3.6 U V 3.0 U Im Mg 5000 63100 J V 15.8 UJ V Im Mg 500 632 U V 15.8 UJ V 15.8 UJ Im K 500 53200 V 15.8 UJ V 10.0 U Im K 500 53200 V 52.7 UJ V Im K 500 53200 V 52.0 UJ V Im K 500 13.3 J A </td <td>Celcium</td> <td></td> <td></td> <td>></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Celcium			>						
Co SO 4.0 U V 4.3 UU Co SO 4.0 U V 4.3 UU Co SO 4.0 U V 4.3 UU Co SO 3.0 C V 3.0 U V 3.0 U Co SO 3.0 C V 3.0 U Co SO 3.0 C V 3.0 U Co Co SO 3.0 U V V 3.0 U V V 3.0 U V V V V V V V V V	Cesium			>						
Cu 25 10.2 UJ A 10.2 UJ Fe 100 210 V 44.0 U Pb 5 3.6	Chromium			<						
Cu 25 10.2 UJ A 10.2 UJ Fe 100 210 V 44.0 U Pb 5 3.6 V 3.0 U U 100 278 J A 283 J Um Mg 5000 83100 J A 283 J Mm K 5000 120 U V 100 U Mm K 5000 33200 V 55200 V Mm K 5000 33200 V 55200 V Mm K 5000 33200 V 55200 V Mm K 5000 120 U V 100 U V Mm K 500 120 U V 100 U V Mm K 500 120 U V 100 U V Mm K 500 120 U V 100 U V Mm V 50 8.6 UJ A 7.2 UJ A 27.4 UJ Mm V 50 8.6 UJ A 7.2 UJ A 27.4 UJ Mm V 50 8.6 UJ A 7.2 UJ A 27.4 UJ Mm V 50 8.6 UJ A 7.2 UJ A 27.4 UJ Mm V 50 8.6 UJ A 7.2 UJ A 27.4 UJ Mm V 50 8.6 UJ V 100 U V 100 U V MM FT 10 10.0 U V 100 U V MM FT 10 10.0 U V 100 U V MM V 50 8.6 UJ V MFT	Cobalt			>						
Fe 100 210 V 44.0 U 44.0 U Pb 5 3.6	Copper			∢						
Pb 5 36 - V 3.0 U U 100 278 J A 283 J Num Mg 5000 83100 J A 683 J Nee Mn 15 16.9 UJ A 15.9 UJ No 200 100 U V 100 U Mn 40 8.6 UJ A 100 U Mn 500 53200 V 50.4 UJ Mn 56 5 13.8 J A 20.4 UJ Mn 56 5 13.8 J A 20.4 UJ Mn 56 5 13.8 J A 27 UJ Mn 500 336000 V 348000 V Mn 500 1335 J A 1880 J V Mn 500 190 U V 100 U V Mn 7 20 116 J A 100 U V Mn 7 100 U V 100	Iron			>			_			
Mum Mg 5000 63100 J A 283 J Mm 15 16.9 UJ A 15.8 UJ Mm 15 16.9 UJ A 15.8 UJ Mm 15 16.9 UJ A 15.8 UJ Mm 200 100 U V 100 U Mm 200 100 U V 100 U Mm 56 5 13.8 J A 27 UJ Mm 5000 35200 V 3500 Mm 5000 339000 V 349000 Mm 500 339000 V 349000 Mm 500 339000 V 349000 Mm 50 36 UJ A 40 UJ Mm 50 36 UJ A 40 UJ Mm 72 UJ A 72 UJ Mm 70 UJ 72 UJ Mm 70 UJ 70 UJ MMR	Lead			٧				1		
Num Mg 5000 63100 J A 65000 J Mee Mn 15 16.9 UJ A 15.8 UJ Mum Mo 20.2 0.2 U V 0.2 U Mum Mo 200 100 U V 100 U Mum K 5000 53200 V 520 U Mm K 5000 53200 V 527 UJ Ma 500 53211 V 5220 Ma 500 339000 V 527 UJ Ma 500 339000 V 349000 Ma 500 1935 J A 1969 J Ma 50 1935 J A 1969 J Ma 50 100 U V 100 U Ma 50 116 J A 72 UJ Ma 50 116 J A 72 UJ Ma 7 70 UJ A Ma 7 116 J A </td <td>Lithium</td> <td>1</td> <td></td> <td>∢</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Lithium	1		∢						
Hg	Magnesium	1		∢						
Hg 0.2 0.2 U V 0.2 U MMO 200 100 U V 100 U MI 40 8.8 UJ A 20.4 UJ MI 56 5 13.8 J A 2.7 UJ SI 5211 V 5280 Ma 5000 335000 V 348000 Ma 5000 335000 V 348000 Ma 5000 1935 J A 100 UJ MI V 50 8.6 UJ A 7.2 UJ TI 10 100 U V 100 U V TO 100 U V 100 U V TO 100 U V 100 U V MR	Manganese			∢						
Anum Mo 200 100 U V 100 U Im Ni 40 9.6 UJ A 20.4 UJ Im Se 5 13.8 J A 55200 Im Se 5 13.8 J A 2.7 UJ SI se 5 13.8 J A 2.7 UJ Na 5000 336000 V 346000 Na 500 1935 J A 1889 J IT 10 4.0 UJ A 4.0 UJ IT 10 4.0 UJ A 4.0 UJ IN V 50 8.6 UJ A 7.2 UJ IN V 50 8.6 UJ A 7.2 UJ IN 2n 20 116 J V NRR	Mercury			>						
Mi K 8000 53200 V 53200 M Se 5 13.8 J A 27.UJ SI 5211 V 5223 Ag 10 3.0 LU A 3.0 LU Na 5000 339000 V 349000 Na 5000 1835 J A 1898 J T1 10 4.0 LU A 4.0 LU Sn 200 100 U V 100 U N V 50 8.6 LU A 7.2 LU 10 10 10 U V 100 U N H	Molybdenum	1		>						
In K 5000 53200 V 55200 In Se 5 13.8 J A 27 UJ SI 3211 V 529 Ag 10 3.0 UJ A 3.0 UJ Na 5000 335000 V 346000 n Sr 200 1935 J A 1969 J n V 50 100 U V 100 U n V 50 8.6 UJ A 7.2 UJ n 2n 20 116 J A 7.2 UJ 10 10 100 U V 17.0 UJ	Lickel	- (- 1	∢						
Se	otassium	ĺ		>						
SI 5211 V 5263 Ag 10 3.0 LU A 3.0 LU Na 5000 339000 V 349000 TT 10 4.0 LU A 4.0 LU Sn 200 100 U V 100 U n V 50 6.6 LU A 57.2 LU T0 10.0 U V NFR	Selenium			٧						
Ag 10 3.0 LW A 3.0 LW n Sr 200 339000 V 349000 r Sr 200 1935 J A 1996 J r Tr 10 4.0 LW A 4.0 LW r Sn 200 100 U V 100 U r Zn 20 116 J A 57.4 LW 10 10.0 U V NFR	Silkon	īō.	SS.	>						
Na 5000 339000 V 349000 T1 10 4,0 UJ A 4,0 UJ Sn 200 100 U V 100 U N V 50 8,6 UJ A 57,2 UJ Zn 20 116 J A 57,4 UJ 10,0 U V N/F	Silver	1	7	¥						
A 1989 A 1989 A 1989 J T 1 10 4.0 UJ A 4.0 UJ A 4.0 UJ A 100 U	Sodium			>				1		
T1 10 4.0 UJ A 4.0 UJ Sn 200 100 U 100 U n V 50 8.6 UJ A 7.2 UJ Zn 20 116 J A 57.4 UJ 10.0 U V N/R	Strontium	- [V		1		1		
Sn 200 100 U 100 U n V 50 8.6 UJ A 7.2 UJ Zn 20 116 J A 57.4 UJ 10.0 U V N/F	Phallium	-		٧						
n V 50 8.eUJ A 7.2 UJ Zn 20 116.J A 57.4 UJ 10 10.0 U NFR	E)	1		^				1		
Zn 20 (16.) A 57.4 UJ 10 (0.0 U N/F	/anadlum	1	T	4						
10.01 V N/H	36		\neg	٧				1	1	
	yanide	ţ.		>		1	1			

DQ Deta Qualifier V Valid A Acceptable with qualifications R Rejected

008L596M/eg25j

E Estimated by the Laboratory
U Indicates the compound was not detected above the Instrument Quantitation Limit
J Quantitation is approximate due to limitations identified during the quality control review
DL Detection Limit in Micrograms per Liter (ug/L)
N/R Not reported

WESTON Analytics	Samples Were: 1 Enigose or Hand- Delivered NOTES:	2 Ambient occhilled NOTES: 3 Received Broken/ Leaking (Improperly Sealed)	NOTES: SEESIDE 4 Properly Preserved NOTES:	5 Received Within Holding Times NOTES:	COC Tape Was: 1 Present on Outer Package Package Package Package Package Package V 4 Unbroken on Sample V V NOTES:	COC Record Was: 1 Present Upda Receipt of Samples Y N Discrepancies Between Sample Labels and COC Record? Y N NOTES:
Custod	1190 Date Due 7140/90 Preservative Nove	MA Use Only Client ID/Description Matrix Date CO SWO95 W 053090 AAA CO SW095 W 053090 AAAA CO SW095 W 053090 AAAAA CO SW095 W 05	Death CO		Metrix: W-Water DS-Drum Solids X-Other Special Instructions: S-Soli O-Oil DL-Drum Liquids SE-Sediment A-Air F-Flah SO-Solid Wi-Wipe L-EPITCLP Leachese	Item/Reason Retinguished by Received by Date Time Part Par